

LT4000M Rear Module



Features:

- Blind HMI node that can collect data for Pro-face Remote HMI App on Tablets/Smart phone
- Factory Gateway - allows connectivity for multiple protocols and can bridge those protocols across different networks
- Supports a large selection of Serial or Ethernet protocols. (Set up to 4 protocols)
- USB Interfaces can be used for project transfer and to connect BCR scanners, printers, and memory devices.
- Connectivity to EZ-Series USB Solutions.
- Programmed with the versatile GP-Pro EX Screen Development Software
- Extensive I/O Control

Specifications

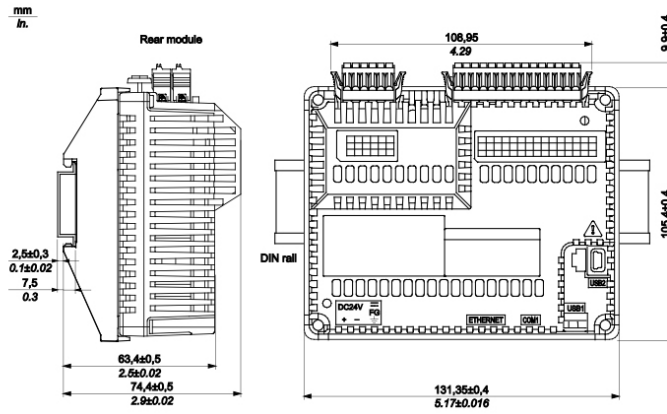
Model	LT4000M Rear Module (AIO Type)	LT4000M Rear Module (DIO Type)
Order Numbers	PFXLM4B01DAC (Source) PFXLM4B01DAK (Sink)	PFXLM4B01DDC (Source) PFXLM4B01DDK (Sink)
Memory	Application *1	16MB FLASH EPROM (Capacity available for user application)
	Data Backup	128KB nvSRAM
	Logic Program Area	132KB FLASH EPROM *2 (equivalent to 15,000steps) (expandable to 60,000 steps by using 1MB of user application memory)
Interfaces	Serial (COM1)	RS-232C/RS485 x 1, RS-232C (Connector type: RJ45, Isolation: None, Maximum baud rate: 115,200 bps, Cable Type: Shielded, Cable Maximum length: 15 m (49 ft), 5 Vdc power supply for RS-232C: None) RS-485 (Connector type: RJ45, Isolation: None, Maximum baud rate: 115,200 bps, Cable Type: Shielded, Cable Maximum length: 200 m (656 ft), Polarization: Setting is required via software when connecting Multiple LTs. Refer to the "GP-Pro EX Device/ PLC Manual" for the setting. 5 Vdc power supply for RS-485: None)*3
	Ethernet	x1 10/100BASE-T (Connector type: RJ45, Driver: 10 M half duplex (auto negotiation)/ 100 M full duplex (auto negotiation), Cable type: Shielded, Automatic cross-over detection: Yes)
	USB	USB 2.0 (Type A) x 1, USB 2.0 (Mini-B) x 1
	CANOpen (master)	CAN-Cia (ISO 11898-2:2002 Part 2), Connector: D-sub9 (plug)
Built-in DIO (Input)	12 Points Standard Input (including 2 Points for Fast Input)	20 Points Standard Input (including 2 Points for Fast Input)
Built-in DIO (Output)	6 Points Standard Output and 2 Points Fast Output	10 Points Standard Output and 2 Points Fast Output
Built-in AIO (Input)	2 ch analog inputs (13-bit) and 2 ch analog inputs (16-bit) for Thermocouple 2 ch analog inputs (12-bit)	-
Built-in AIO (Output)	2 channels (Voltage/Current x2)	-

*1 Capacity available for user application. *2 Up to 60,000 steps can be converted in software. However, this reduces application memory capacity (for screen data) by 1 MB. *3 2-wire connection is available for RS-485. When a Device/PLC supports 2-wire connection, 4 wires (RXD+, TXD+, RXD-, and TXD-) can be short-circuited to be 2 wires (RXD+ and TXD+ = D1, RXD- and TXD- = D0). For details on the connection, refer to the connection manual.

General Specifications

Model	PFXLM4B01DAC (Source) PFXLM4B01DAK (Sink)	PFXLM4B01DDC (Source) PFXLM4B01DDK (Sink)
Input Voltage Limits	20 to 28.8 Vdc	
Rated Voltage	24 Vdc	
Power Consumption	≤ 12W	≤ 9W
Ambient Operating Temp	Horizontal Installation	0...50 °C (32...122 °F)
	Vertical Installation	0...40 °C (32...104 °F)
Storage Temperature	- 20...60 °C (- 4...140 °F)	
Relative Humidity	5...85% w/o condensation (non-condensing, wet bulb temperature 39 °C (102.2 °F) or less)	
Altitude Operation	0...2,000 m (0...6,560 ft)	
Vibration & Shock Resistance	Mounted on a DIN rail	3.5 mm (0.138 in.) fixed amplitude from 5...8.4 Hz 9.8 m/s ² (1 gn) fixed acceleration from 8.4...150 Hz
Certifications	CE, UL Listed, RoHS, GOST, DNV-GL, ATEX, IECEx	
Cooling Method	Natural Air Circulation	
Weight	Include Rear module installation adapter : 544g (19.19 oz) / only Rear module : 388g (13.69 oz)	include Rear module installation adapter : 509g (17.96 oz) / only Rear module : 353g (12.46 oz)
Warranty	Two year standard	

LT4000M Rear Module Dimensions



Ordering Information

Part Number	Description
PFXML4B01DAC	LT4000M Analog model Rear Module - Source
PFXML4B01DAK	LT4000M Analog model Rear Module - Sink
PFXML4B01DDC	LT4000M DIO model Rear Module - Source
PFXML4B01DDK	LT4000M DIO model Rear Module - Sink

Optional Items

Part Number	Product Name
EX-ED-Vxx	GP-Pro EX Development Software (download version), xx refers to current version
EX-ED-Vxx-DVD	GP-Pro EX Development Software (download version + DVD backup media), xx refers to current version
PFXZLMCBJR21	Cable for RS-232C connection between various hosts and the LT4000M (RJ45 Type) -open leads
PFXZLMCBJR81	Cable for RS-485 connection between various hosts and the LT4000M (RJ45 Type) -open leads
PFXZLMCNI01	DIO Connector set for LT4000M
PFXZXMADSA1	Rear Module DIN Rail Adapter for LT4000M

Software Compatibility



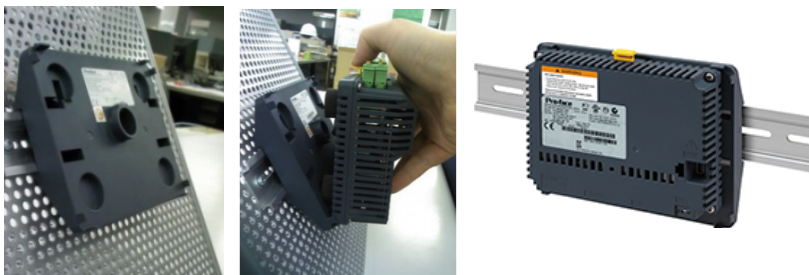
Powered By

Screen Editor
GP-Pro EX

HMI Development Software

(Version 3.12 or newer)

DIN Rail Mount



Use as a Blind HMI

Use GP4000M Rear Module as a blind HMI node that can collect data for the Pro-face Remote HMI App on a tablet or smart phone.



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For more information

ACCESS www.profaceamerica.com

Pro-face



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